SECTION 4 *Questions 31–40*

Complete the notes below.

*Write **ONE WORD ONLY** for each answer.*

The use of soil to reduce carbon dioxide (CO_2) in the atmosphere

Rattan Lal:

- Claims that 13% of CO_2 in the atmosphere could be absorbed by agricultural soils
- Erosion is more likely in soil that is **31** .....
- Lal found soil in Africa that was very **32** .....
- It was suggested that carbon from soil was entering the atmosphere

Soil and carbon:

- plants turn CO_2 from the air into carbon-based substances such as **33** .....
- some CO_2 moves from the **34** ..... of plants to microbes in the soil
- carbon was lost from the soil when agriculture was invented

Regenerative agriculture:

- uses established practices to make sure soil remains fertile and **35** .....
- e.g. through year-round planting and increasing the **36** ..... of plants that are grown

California study:

- taking place on a big **37** ..... farm
- uses compost made from waste from agriculture and **38** .....

Australia study:

- aims to increase soil carbon by using **39** ..... that are always green

Future developments may include:

- reducing the amount of fertilizer used in farming
- giving farmers **40** ..... for carbon storage, as well as their produce